

[54] **LIGHTWEIGHT INSULATING PARTITION**

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[21] Appl. No.: 295,654

[22] Filed: Jan. 10, 1989

[51] Int. Cl.⁵ A47G 5/00

[52] U.S. Cl. 160/351; 296/24.1

[58] Field of Search 160/351, 40, 135; 410/118, 122, 129, 87; 296/24.1; 62/258, 263, 265, 447

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[57] **ABSTRACT**

A lightweight, flexible insulating partition for refrigerated trucks, trailers, containers and the like. Panels of polystyrene insulation are positioned in a rectangular frame of lightweight plastic members. The frame's top and side members are flexible, high density polyethylene U-channels opening inwardly to receive edges of the insulation. A heavier weight, solid base plate of ultra high molecular weight polyethylene strengthens the bottom edge of the partition against damage. Solid high density polyethylene ribs separate the polystyrene insulating panels. A resilient seal of urethane foam rubber encased in vinyl coated polyester seals the top and sides of the partition against the interior surfaces of the volume being partitioned. The frame and insulating panels are sandwiched between sheets of a flexible insulating material, and are sheathed in a hard protective skin covering each planar face of the partition. A bumper plate protects the bottom portion of each face of the partition, and a skid plate protects the partition's bottom edge beneath the base plate. Flexible handles allow the partition to be grasped and moved from either side.

An alternative embodiment comprises two interfitting partitions, the second partition receiving the seal along one side edge of the first partition.

4 Claims, 4 Drawing Sheets

